

ABSTRACT

The objective is to prevent erroneous operation of an optical sensor while removing restrictions on the degree of freedom of design. In a handgun-shaped controller comprising a lens for focusing light that is incident on a muzzle and an optical sensor 18 for detecting the thus-focused light, a light-proof case 50 is provided to cover the lens and optical sensor in such a manner that external light other than from a muzzle is not incident thereon. The light-proof case covers the entire surface of the optical sensor and the portion of the board on which the optical sensor is mounted. Cut-out portions 54A and 54B for through-holes for signal terminals 19 are provided in a connection portion between parts 50A and 50B that form the light-proof case. A protuberant portion is provided on the connection portion of one part 50A and a fit portion thereof is provided in the connection of another part 50B. A protuberant portion is provided so as to deform when a board 70 is pressed into slits 52A and 52B, sealing the gaps between the slits and the board. The configuration could be such that the entirety of the board is covered by the light-proof case and the optical sensor is attached directly within the light-proof case.